

SOFT PREEMPTION FEEDBACK

Abstract of the Disclosure

Systems and methods for preemption of Traffic Engineering LSPs such that

5 preemption decisions are made in a coordinated fashion along the path of a new LSP and computation of a new path for a preempted LSP can take advantage of knowledge of newly unavailable links. The efficiency of the preemption mechanism is greatly increased and the undesirable effects of heterogeneous preemption decisions are limited. The amount of signaling may also be significantly reduced. In one implementation, these

10 advantages are achieved by exploiting an upstream preemption feedback mechanism that uses an incremental timer to delay preemption decisions until feedback is available.